Abstract of the Disclosure

The invention provides polypeptide fragments derived from TgAMA-1, nucleic acids that encode the polypeptide fragments, and TgAMA-binding polypeptides such as antibodies. Methods for using the polypeptide and nucleic acid molecules to produce vaccines are also

5   provided. In addition the invention provides methods involving use of the polypeptides, nucleic acids, and binding polypeptides, such as antibodies, for the prevention and treatment of Toxoplasmosis.